

**Amendments to the Claims**

The listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims**

1. (Canceled)
2. (Currently amended) An isolated ~~endo- $\beta$ -N-acetylglucosaminidase~~ endo- $\beta$ -N-acetylglucosaminidase gene encoding:
  - (a) a protein comprising the amino acid sequence represented by SEQ ID NO: 3; or
  - (b) a protein comprising an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 3 by deletion, substitution, insertion, or addition of 1-10 amino acids and having the activity of ~~endo- $\beta$ -N-acetylglucosaminidase~~ endo- $\beta$ -N-acetylglucosaminidase.
3. (Currently amended) An isolated gene comprising the following DNA:
  - (a) a DNA consisting of a nucleotide sequence represented by ~~SEQ ID NO.: 2~~ SEQ ID NO: 2; or,
  - ~~(d) a DNA which hybridizes under a sodium concentration of 50-300 mM and a temperature of 50-68 °C with a DNA consisting of a nucleotide sequence represented by SEQ ID NO.: 2, and which encodes a protein having endo- $\beta$ -N-acetylglucosaminidase activity.~~
4. (Canceled)
5. (Previously presented) The gene according to claim 2, wherein the gene is isolated from a microorganism belonging to the genus *Mucor*.
6. (Original) The gene according to claim 5, wherein the microorganism belonging to the genus *Mucor* is *Mucor hiemalis*.
7. (Previously presented) A recombinant vector which comprises the gene according to claim 2.
8. (Original) A transformant which comprises the recombinant vector of claim 7.

9. (Withdrawn – Currently amended) A method of ~~producing~~ using the transformant of claim 8 to produce endo- $\beta$ -N-acetylglucosaminidase comprising culturing the transformant ~~according to~~ of claim 8 and collecting endo- $\beta$ -N-acetylglucosaminidase from the culture product.
10. (Previously presented) The gene according to claim 3, wherein the gene is isolated from a microorganism belonging to the genus *Mucor*.
11. (Canceled)
12. (Previously presented) A recombinant vector which comprises the gene according to claim 3.
13. (Canceled)
14. (Previously presented) A recombinant vector which comprises the gene according to claim 5.
15. (Previously presented) A recombinant vector which comprises the gene according to claim 6.
16. (Previously presented) A transformant which comprises the recombinant vector of claim 12.